

Cost-Effective SMP Server Platform



GT20-B7002

B7002G20V4H



■ Front View



■ Back View



Entry 1U dual-socket SMP server platform for most of enterprise and HPC applications

- 1 Dual LGA1366 sockets support up to (2) Intel® Quad-Core Xeon® Processor 5500 Series
- 1 Support QPI 6.4/ 5.86/ 4.8 GT/s
- 1 Intel® 5500 IOH
- 1 Intel® ICH10R South Bridge
- 1 (8) 240-pin DDR3 DIMM slots support up to 64GB R-DDR3 1333/1066/800MHz w/ ECC memory
- 1 (1) FH/FL PCI-E (Gen.2) x16 slot
- 1 (2) GbE LAN
- 1 (4) Hot-swap SATA-II HDDs w/ RAID 0/1/10/5 support
- 1 Onboard BMC w/ iKVM support
- 1 (1) EPS1U high-efficiency 400W PSU w/ PFC

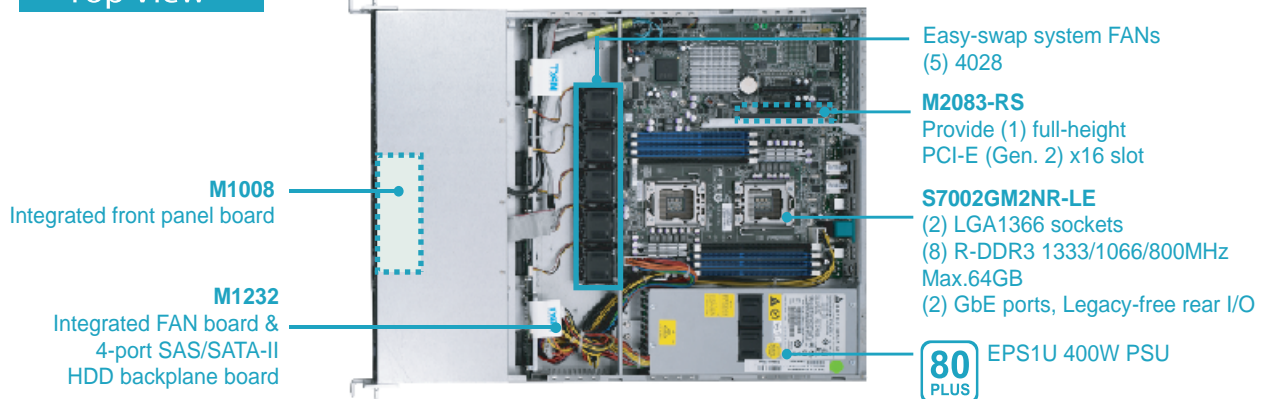
Model Number	HDD Bay (No.)	Storage Backplane	Power Supply
B7002G20V4H	(4) Hot-swap SATA-II	4-port SAS/SATA	EPS1U 400W

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Specifications

Top View



System	Form Factor	1U Rackmount
	Chassis Name	GT20
	Dimension (D x W x H)	22.4" x 17.2" x 1.72" (568 x 436 x 43.6mm)
	Motherboard	S7002GM2NR-LE
	Gross Weight	16 kg
Front Panel	Buttons	(1) PWR (w/ LED) / (1) RST / (1) NMI / (1) ID
	LEDs	(1) ID / (1) Warning / (1) Reserved (2) LAN / (1) HDD
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	3.5" Hot-Swap / (4)
	Supported HDD Interface	SATA-II 3.0Gb/s
System Cooling Configuration	FAN	(5) 4cm fans
Power Supply	Type	EPS1U
	Input Range	Full-range AC(100-240V)
	Frequency	60 Hertz
	Output Watts	400 Watts
	Efficiency	PFC / 80-plus
Processor	Supported CPU Series	Intel® Xeon® Processor 5500 Series
	Socket Type / Q'ty	LGA1366 / (2)
	Thermal Design Power (TDP) wattage	95W
Chipset	System Bus	Up to 4.8/ 5.86/ 6.4GT/s with Intel® QuickPath Interconnect (QPI) support
	IOH / ICH	Intel 5500 / ICH10R
Memory	Super I/O	Winbond W83627
	Supported DIMM Qty	(8) DIMM sockets
	DIMM Type / Speed	DDR3 800/1066/1333 RDIMM/UDIMM
	Capacity	Up to 64GB
	Memory channel	6 Channels (3 Channels per CPU)
Expansion Slots	Memory voltage	1.5V
	PCI-E	(1) PCI-E FH/FL Gen.2 x16 slot
	Pre-installed TYAN® Riser Card	M2083-RS, PCI-E x16 1U riser card (left)
LAN	Port Q'ty	(2)
	Controller	Intel 82574L
Storage	Controller	ICH10R
	SATA Speed	3.0 Gb/s
	RAID	RAID 0/1/10/5 (Intel® Matrix RAID)
Graphic	Connector type	D-Sub 15-pin
	Resolution	1600x1200@60Hz
	Chipset	Aspeed AST2050

I/O Ports	USB	(6) ports (2 at front, 4 at rear)
	COM	(1) DB-9 port
	VGA	(1) D-sub port
	RJ-45	(2) ports
System Monitoring	Chipset	Winbond W83793G
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & system environment
	LED	Fan fail LED indicator Over temperature warning indicator
	Others	Watchdog timer support
Server Management	Onboard Chipset	Onboard Aspeed AST2050
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash BIOS update USB 2.0 virtual hub
	AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 2MB
	Feature	Plug and Play (PnP) PCI2.3 /WfM2.0 /SMBIOS2.3 /PXE boot ACPI 2.0 power management Power on mode after power recovery User-configurable H/W monitoring Auto-configurable of hard disk types Multiple boot options
Operating System	OS supported list	Please refer to our OS supported list.
Regulation	FCC (DoC)	Class A
	CE (DoC)	Yes
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Complaint	Yes

(Specifications are subject to change without notice. Items pictured may only be representative.)

MITAC INTERNATIONAL CORP.
Enterprise Business Unit

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-2-2652-5888
Fax: +886-2-2652-5805

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

Netherlands
Tel: +31-10-2467722
Fax: +31-10-4735881

China
Shanghai Tel: +86-21-61431188 Ext 1366
China Tel: +86-010-62555015 Ext 8302